

Class Time:

Tutorials (Each student is assigned to attend one of the following sessions by ARRO, please check with your course registration information):

L1	Thursday	16:30-17:50; Rm 5619 (Lift 31/32)
L2	Thursday	15:00-16:20; Rm 5619 (Lift 31/32)
L3	Friday	12:00-13:20; Rm 5620 (Lift 31/32)

Course Description:

This course targets science students who have acquired basic knowledge in fundamental biology through HKDSE Biology, LIFS1901, or another biology course/program at the equivalent level. It functions as a bridging course to prepare the students for further study in life science. Its focus is on human biology, biotechnology, and human impacts on the environment. Relevant examples will be used to relate the knowledge to real life issues.

The course will be delivered in a blended learning approach, which combines online videos with in-class (face-to-face) tutorials. Students are expected to watch the videos (and complete an online quiz) before each tutorial, and actively participate in the group activities in class.

Credit points: 3

Pre-requisite: LIFS1901 OR level 3 or above in HKDSE 1x Biology OR a passing grade in
AL/AS Biology

Exclusion: NIL

Grading: A+ to F

Instructor	Office	E-mail address
Prof. Andrew Miller (Course Co-ordinator)	Room 5453	almiller@ust.hk
Dr. Sarah Ho	Room 6236	barnie@ust.hk
Dr. Jessica Tang	Room 5450	bocemun@ust.hk

Teaching Assistants

Maria Vittoria ALFONSI	mvalfonsi@connect.ust.hk
Vaspan Darius ENGINEER	vdengineer@connect.ust.hk
Ou Ning (Owen) HSIU	onhsiu@connect.ust.hk
Zhaowei SUN	zsunbd @connect.ust.hk

Intended Learning Outcomes

Upon completion of this course, students are expected to be able to:

- | No. | ILOs |
|-----|---|
| 1 | Explain the basic structures and life processes in humans. |
| 2 | Explain basic inheritance of traits in humans. |
| 3 | Explain basic biotechnology and discuss their impact on human life. |
| 4 | Discuss the relevance of life science to the study of the human as a living organism. |

Assessment scheme

Components	Percentage
Online quiz	10
Participation mark	10
Written assignment*	20
Final exam	60

*Each student is required to write a 400- word essay on one of the assigned topics. Topics will be related to the content of the weekly videos or tutorials. The assignment topics will be announced **5th May 2023**.

Date	Topic	Instructor	TA
Feb 9, 10	Patterns of Gene Inheritance (23)	TANG	Owen HSIU
Feb 16, 17	Chromosomal Basis of Inheritance (24)	TANG	Owen HSIU
Feb 23, 24	Biotechnology (26)	TANG	Owen HSIU
Mar 2, 3	Reproduction (21)	TANG	Owen HSIU
Mar 9, 10	Development (22)	HO	Vaspan ENGINEER
Mar 16, 17	Digestive system and Nutrition (14)	HO	Vaspan ENGINEER
Mar 23, 24	Respiratory System (15)	MILLER	Maria Vittoria ALFONSI
Mar 30, 31	Osmoregulation & Excretion (16)	MILLER	Maria Vittoria ALFONSI
Apr 13, 14	Immune System (13)	HO	Vaspan ENGINEER
Apr 20, 21	Endocrine System (20)	HO	Vaspan ENGINEER
Apr 27, 28	Circulatory System (12)	MILLER	Zhaowei SUN
May 4, 5	Nervous System (17)	MILLER	Zhaowei SUN

Recommended Textbook (not compulsory)

Connect Standalone e-textbook: (Access for 180 days, non-returnable)

ISBN	Title	Author	Edition	Student Price
9781264406937	CNCT OLA INQUIRY INTO LIFE	MADER	17	\$380